Vol. 43 1975

Histo chemistry

Editors

P. B. Diezel, Pforzheim

P. van Duijn, Leiden

O. Eränkö, Helsinki

P. Gedigk, Bonn

W. Gössner, München

W. Graumann, Tübingen

W. A. Jensen, Berkeley

Z. Lojda, Praha

B. Maurer-Schultze, Würzburg

A. E. F. H. Meijer, Amsterdam

F. Moog, St. Louis

H. A. Padykula, Wellesley

A. G. E. Pearse, London

D. Pette, Konstanz

W. Sandritter, Freiburg

T. H. Schiebler, Würzburg

A. M. Seligman, Baltimore

M. Wolman, Tel-Hashomer



Springer—Verlag
Berlin Heidelberg New York

Histochemistry

Founded in 1958. Volumes 1–3 were titled "Zeitschrift für Zellforschung und mikroskopische Anatomie," with the subtitle "Abteilung Histochemie." Beginning with Volume 4 the title was changed into "Histochemie/Histochemistry/Histochimie." From Volume 38 the journal is called "Histochemistry."

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions, also in microform, is transferred to the publisher.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Alle Rechte, einschließlich das der Übersetzung in fremde Sprachen und das der fotomechanischen Wiedergabe oder einer sonstigen Vervielfältigung, vorbehalten Jedoch wird gewerblichen Unternehmen für den innerbetrieblichen Gebrauch nach Maßgabe des zwischen dem Börsenverein des Deutschen Buchhandels e.V. und dem Bundesverband der Deutschen Industrie abgeschlossenen Rahmenabkommens die Anfertigung einer fotomechanischen Vervielfältigung gestattet. Wenn für diese Zeitschrift kein Pauschalabkommen mit dem Verlag vereinbart worden ist, ist eine Wertmarke im Betrage von DM 0,40 pro Seite zu verwenden. Der Verlag läßt diese Beträge den Autorenverbänden zufließen.

Die Wiedergabe von Gebrauchsnamen, Handelsnamen, Warenbezeichnungen usw. in dieser Zeitschrift berechtigt auch ohne besondere Kennzeichnung nicht zu der Annahme, daß solche Namen im Sinne der Warenzeichen- und Markenschutz-Gesetzgebung als frei zu betrachten wären und daher von jedermann benutzt werden dürften.

Springer-Verlag Berlin Heidelberg New York

Printed in Germany. — © by Springer-Verlag Berlin Heidelberg 1975

Printers: Universitätsdruckerei H. Stürtz AG, Würzburg

Contents

Amemiya, T.: Electron Microscopic and Cytochemical Study on Paraboloid Glycogen of	
the Accessory Cone of the Chick Retina	185
Andersson, G. K. A., Kjellstrand, P. T. T.: A Study of DNA Depolymerisation during	
Feulgen Acid Hydrolysis	123
Athouel-Haon, AM., s. Remy, L., et al	131
Berteloot, A., Hugon, J. S.: Effect of Glutaraldehyde and Lead on the Activity of Hepatic	
Glucose-6-Phosphatase. A Biochemical and Cytochemical Study	197
Bibbiani, C., Viola-Magni, M. P.: Metabolic DNA in the Hepatocyte Nuclei in Newborn	
Rats	63
Borgers, M., De Nollin, S., Thoné, F.: The Development of Alkaline Phosphatase in Tri-	-
chinous Muscle	257
Bregnard, A., Knüsel, A., Kuenzle, C. C.: Are all the Neuronal Nuclei Polyploid?	59
Brodin, E., s. Nilsson, G., et al	97
Brzin, M., Tennyson, V. M., Dettbarn, WD.: Cytochemical Localization of Cholinesterase	100
Activity at the Giant Synapse of the Squid	305
Buchwalow, I. B., s. Unger, E., et al	73
Buffa, R., Polak, J. M., Pearse, A. G. E., Solcia, E., Grimelius, L., Capella, C.: Identifi-	10
cation of the Intestinal Cell Storing Gastric Inhibitory Peptide	249
Burns, J.: Background Staining and Sensitivity of the Unlabelled Antibody-Enzyme	210
(PAP) Method. Comparison with the Peroxidase Labelled Antibody Sandwich Method	
Using Formalin Fixed Paraffin Embedded Material (Short Communication)	291
Burnstock, G., s. Gröschel-Stewart, U., et al	
Capella, C., s. Buffa, R., et al	249
Chamley, J. H., s. Gröschel-Stewart, U., et al	
Cowden, R. R., Fitzharris, T.: The Histochemistry and Structure of Tentacle Cartilage	410
Tissues in the Marine Polychaete, Sabella melanostigma	- 1
Cowden, R. R., s. Harrison, F. W., et al.	102
Deák, Gy., s. Romhányi, Gy., et al.	
Deimling, O. v., s. Hermes, B., et al.	81
Denizot, JP., Derbin, C.: Cytochemistry and Distribution of Polysaccharides in an	01
Electroreceptor: The Tuberous Organ of Gnathonemus petersii (Mormyrids)	147
	257
De Nollin, S., s. Borgers, M., et al	147
Derbin, C., s. Denizot, JP	305
Dettbarn, WD., s. Brzin, M., et al	303
Dölken, G., Leisner, E., Pette, D.: Immunofluorescent Localization of Glycogenolytic and	
Glycolytic Enzyme Proteins and of Malate Dehydrogenase Isozymes in Cross-Striated Skeletal Muscle and Heart of the Rabbit	113
	33
Dörmer, P., s. Thiel, E., et al.	33
Eulitz, M., s. Thiel, E., et al.	333
Fischer, J., s. Romhányi, Gy., et al	1
Fitzharris, T., s. Cowden, R. R	1
Fujita, H.: X-Ray Microanalysis on the Thyroid Follicle of the Hagfish, Eptatretus	283
Ourgett and married of a married of the state of the stat	249
Grimelius, L., s. Buffa, R., et al	249
Gröschel-Stewart, U., Chamley, J. H., McConnell, J. D., Burnstock, G.: Comparison of the Reaction of Cultured Smooth and Cardiac Muscle Cells and Fibroblasts to Specific	
the Reaction of Cultured Smooth and Cardiac Muscle Cens and Fibrobiasts to Specific	215
Antibodies to Myosin	97
Håkanson, R., s. Nilsson, G., et al	91
Harrison, F. W., Skalko, R. G., Cowden, R. R.: Fluorescent Demonstration of Basement	100
Membranes with Hydroxy-Naphtoic Acid Hydrazide (Short Communication)	193
Hartmann, M., s. Unger, E., et al	73
Havránková, E., s. Lojda, Z	355
Hermes, B., Riebschläger, M., Deimling, O. v.: Esterase. XX. Diskelektrophoretische	0.1
Untersuchungen zum Polymorphismus der Esterasen der Hausmaus	81

IV Contents

Hirata, K., s. Nada, O	107
Hugon, J. S., s. Berteloot, A	197
Jacobsen, N. O.: Enzyme Histochemical Observations on the Segmentation of the Proxi-	11
mal Tubules in the Kidney of the Female Rat	101
Nakulas, D. A., S. Mian, M. A., & W	101
Khan, M. A., Papadimitriou, J. M., Kakulas, B. A.: On the Specificity of the Histochemical Technique for Sarcoplasmic Reticular Adenosine Triphosphatase: A Light	
and Electron Microscopy Study	101
	123
Kjellstrand, P. T. T., s. Andersson, G. K. A	120
dase Activity in Smooth Muscle Cells of the Rat's Gastrointestinal Tube	373
Kleschtschinow, W. M., s. Unger, E., et al	
Knüsel, A., s. Bregnard, A., et al.	
Kuenzle, C. C., s. Bregnard, A., et al.	59
Lagercrantz, H., Thureson-Klein, Å.: On the Soluble Phase of Adrenergic Nerve Vesicles.	
Correlation of Matrix Density and Biochemical Composition	173
Lampert, I. A., Lewis, P. D.: Staining of Sulphatides in Metachromatic Leukodystrophy	
with Alcian Blue at High Salt Concentrations	269
Larsson, LI., s. Nilsson, G., et al.	
	113
	269
Lojda, Z.: Suitability of the Azocoupling Reaction with 1-Naphthyl-β-D-Glucoside for	
the Histochemical Demonstration of Lactase (Lactase-β-Glucosidase Complex) in	
Human Enterobiopsies	349
Lojda, Z., Havránková, E.: The Histochemical Demonstration of Aminopeptidase with	
Bromoindolyl Leucinamide	
McConnell, J. D., s. Gröschel-Stewart, U., et al	215
Meban, C.: Fine Structural Localization of Alkaline Phosphatase in the Granular Pneu-	
	367
Meijer, A. E. F. H., Vries, G. P. de: Semipermeable Membranes for Improving the	
Histochemical Demonstration of Enzyme Activities in Tissue Sections. V. Isocitrate:	
NADP+ Oxidoreductase (Decarboxylating) and Malate: NADP+ Oxidoreductase	225
(Decarboxylating)	
Meyer, H. W., s. Roth, J., et al.	275
Michel-Bechet, M., s. Remy, L., et al	131
Adrenals and Ovaries of the nu/nu Mouse	~ 4
Müller, W.: A Method for the Comparison of Morphometrical Data on Skeletal Muscles in	51
Young Rats of Different Ages and Body Weights	041
Nada, O., Hirata, K.: The Occurrence of the Cell Type Containing a Specific Monoamine	241
in the Taste Bud of the Rabbit's Foliate Papilla	997
Nilsson, G., Larsson, LI., Håkanson, R., Brodin, E., Sundler, F., Pernow, B.: Localiza-	201
tion of Substance P-like Immunoreactivity in Mouse Gut (Short Communication)	97
Papadimitriou, J. M., s. Khan, M. A., et al	101
Partanen, S.: Simultaneous Fluorescence Histochemical Demonstration of Catechol-	
amines and Tryptophyl-Peptides in Endocrine Cells.	295
Pataki, A.: Histochemical Study of Monoamine Oxidase Latency in the Liver of the Rat.	323
Pavelka, M., s. Klaushofer, K.	4
Pearse, A. G. E., s. Buffa, R., et al	249
Pernow, B., s. Nilsson, G., et al	97
Pette, D., s. Dölken, G., et al	113
Polak, J. M., s. Buffa, R., et al.	249
Raikhlin, N. T., s. Unger, E., et al.	73
Remy, L., Michel-Bechet, M., Athouel-Haon, AM.: Etude critique de localisations phos-	
phatasiques acides extra-lysosomiales des cellules folliculaires thyroïdiennes par la réac-	
tion de Gömöri	131
Riebschläger, M., s. Hermes, B., et al.	81

Contents

Romhányi, Gy., Deák, Gy., Fischer, J.: Aldehyde Bisulfite-Toluidine Blue (ABT) Stain-	
ing as a Topo-Optical Reaction for Demonstration of Linear Order of Vicinal OH Groups	
in Biological Structures	333
Roth, J., Thoss, K., Wagner, M., Meyer, H. W.: Electron Microscopic Demonstration	
of Cell Surface Carbohydrates by Means of Peroxidase and Ferritin Complexes of the	
Lens culinaris Lectin	275
Skalko, R. G., s. Harrison, F. W., et al	
Solcia, E., s. Buffa, R., et al	
Stockert, J. C.: Uranyl-EDTA-Hematoxylin: A New Selective Staining Technique for	
Nucleolar Material	313
Sundler, F., s. Nilsson, G., et al	
Tennyson, V. M., s. Brzin, M., et al	
Thiel, E., Dörmer, P., Eulitz, M.: Quantitative 125 J-Autoradiographie einzelner Zellen .	
Thoné, F., s. Borgers, M., $et al.$	
Thoss, K., s. Roth, J., et al	
Thureson-Klein, Å., s. Lagercrantz, H	
Unger, E., Buchwalow, I. B., Hartmann, M., Kleschtschinow, W. M., Raikhlin, N. T.:	
Ultrastructural Demonstration of NAD-Pyrophosphorylase Activity in Mouse Liver	
Nuclei	
Viola-Magni, M. P., s. Bibbiani, C	, ,
Vries, G. P. de, s. Meijer, A. E. F. H.	
Wagner, M., s. Roth, J., et al	
Yamada, K., Yokote, M.: Morphochemical Analysis of Mucosubstances in Some Epithelial	
Tissues of the Eel (Anguilla japonica)	
Yokote, M., s. Yamada, K.,	101

Indexed in Current Contents

